

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/004564

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC 7 A61M1/00 A61M3/02 A61M27/00 A61F13/00 A61F7/00

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61M A61F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 84/01904 A1 (SWANBECK, GUNNAR) 24 May 1984 (1984-05-24)	1-5, 9
Y	page 2, last paragraph - page 4, paragraph 2; figure 1 -----	6-8
Y	WO 00/50143 A (NXSTAGE, INC) 31 August 2000 (2000-08-31) abstract -----	6-8
X	WO 02/092783 A (CHILDREN'S MEDICAL CENTER CORPORATION) 21 November 2002 (2002-11-21) paragraph '0062!; figures 8b,9 -----	9
A		1,5 -/-

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the International filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the International filing date but later than the priority date claimed

- \*T\* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

10 February 2005

Date of mailing of the international search report

23/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Lakkis, A

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/GB2004/004564

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P , X	WO 2004/037334 A1 (SMITH & NEPHEW PLC; BLOTT, PATRICK, LEWIS; GREENER, BRYAN; HARTWELL, E) 6 May 2004 (2004-05-06) claim 9	9
P , A	the whole document -----	1,5-8
X	DE 40 12 232 A1 (GROSS, FRANZ JOSEF, 5419 LINKENBACH, DE) 17 October 1991 (1991-10-17) column 4, line 32 – column 5, line 37; figure 1 -----	9
A	WO 00/07653 A1 (HILL-ROM, INC; HENLEY, ALAN, WAYNE; MOSES, LEIGH, MARIE; SANDERSON, RO) 17 February 2000 (2000-02-17) page 25, line 3 – line 15; figure 33 page 8, paragraph 27 – paragraph 32 page 17, line 27 – page 19, line 5 figures 2,9,15 -----	1-4

## INTERNATIONAL SEARCH REPORT

International application No.  
PCT/GB2004/004564

### Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: 10 because they relate to subject matter not required to be searched by this Authority, namely:  
**Rule 39.1(iv) PCT – Method for treatment of the human or animal body by therapy**
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

### Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

#### Remark on Protest

- The additional search fees were accompanied by the applicant's protest.
- No protest accompanied the payment of additional search fees.

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/GB2004/004564

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
WO 8401904	A1	24-05-1984	SE AU DK EP NO SE	445298 B 2269583 A 348984 A 0142501 A1 842896 A 8206533 A		16-06-1986 04-06-1984 17-07-1984 29-05-1985 16-07-1984 18-05-1984
WO 0050143	A	31-08-2000	AU WO US US	3247300 A 0050143 A1 6254567 B1 2001027289 A1		14-09-2000 31-08-2000 03-07-2001 04-10-2001
WO 02092783	A	21-11-2002	WO US	02092783 A2 2003108587 A1		21-11-2002 12-06-2003
WO 2004037334	A1	06-05-2004	NONE			
DE 4012232	A1	17-10-1991	NONE			
WO 0007653	A1	17-02-2000	AU AU CA EP HU JP NO US	757347 B2 5255599 A 2338443 A1 1100574 A1 0103545 A2 2002524109 T 20010485 A 6458109 B1		20-02-2003 28-02-2000 17-02-2000 23-05-2001 28-02-2002 06-08-2002 29-01-2001 01-10-2002